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CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

December 1988

M3-1-(88)-12

U.S. Department of Commerce
BUREAU OF THE CENSUS

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(All Figures in text are in seasonally adjusted current dollars)

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Summary

New orders for manufactured goods in December increased $9.4 billion or 4.1 percent to $237.6 billion, the Bureau of the Census reported today. This is the largest one month increase since the 5.4 percent gain in June. Orders for the year totaled $2657.2 billion, 9.6 percent above last year.

Shipments of manufactured goods in December increased $5.5 billion or 2.4 percent to $230.1 billion. This is the largest increase in shipments since the 2.7 percent gain in February 1987. Shipments for all of 1988 totaled $2610.1 billion, 9.2 percent above 1987.

The backlog of orders held by manufacturers in December was $468.3 billion, $7.5 billion or 1.6 percent above November and 11.2 percent higher than the end of 1987.

Inventories held by manufacturers in December at $354.0 billion were up $2.4 billion or 0.7 percent above November and 6.9 percent higher than the end of 1987. The inventory to shipments ratio in December 1988 was 1.54, down from 1.57 in November and down from 1.60 in December 1987.

New Orders

Most of the increase in manufacturers' new orders was in the durable goods sector, up $7.9 billion or 6.4 percent to $131.0 billion. Transportation equipment was up $6.4 billion or 19.7 percent to $38.8 billion; the motor vehicle, aircraft and shipbuilding industries all showed large gains. Both the primary and fabricated metals industries were up; primary metals increased $0.6 billion or 4.9 percent to $13.2 billion and fabricated metals, $0.5 billion or 3.8 percent to $12.9 billion.

Electrical machinery orders were relatively flat at $20.2 billion, while nonelectrical orders were down $0.3 billion or 1.4 percent to $21.1 billion.

Orders for nondurable goods were up $1.5 billion or 1.4 percent to $106.6 billion with the largest gains in rubber and plastics, paper, and apparel.

Shipments

Most of the increase in manufacturers' shipments in December was in durable goods, up $3.9 billion or 3.2 percent to $123.7 billion. The largest increase was in transportation equipment where motor vehicles and parts increased $1.2 billion or 6.1 percent to $20.9 billion. Most of the other major industries showed shipments increases. Electrical machinery was up $0.8 billion or 4.0 percent to $19.9 billion and nonelectrical $0.5 billion or 2.2 percent to $21.4 billion. Instruments and related products were up $0.3 billion or 4.3 percent to $6.2 billion.

Shipments of nondurable goods were up $1.6 billion or 1.5 percent to $106.4 billion; most major industries increased, the largest being in rubber and plastics and apparel.

Unfilled Orders

Unfilled orders for durable goods in December increased $7.2 billion or 1.6 percent to $447.1 billion. The aircraft and parts industry jumped $4.2 billion or 2.5 percent to $174.0 billion and shipbuilding and tanks, $2.1 billion or 8.6 percent to $26.3 billion. The primary metals order backlog increased $0.4 billion or 1.4 percent to $25.7 billion. Instruments and related products were up $0.4 billion or 2.9 percent to $14.7 billion.

Inventories

Inventories of durable goods in December were up $1.9 billion or 0.8 percent to $233.7 billion, over two-thirds of which was in aircraft and parts. Nonelectrical machinery was up $0.6 billion or 1.2 percent to $46.7 billion and instruments up $0.3 billion or 2.2 percent to $14.1 billion. Inventories of nondurable goods increased $0.5 billion or 0.4 percent to $120.3 billion; the foods industry increased $0.4 billion or 1.4 percent to $26.4 billion.

Most of the increase in durable goods inventories was in work in process, up 1.3 percent and finished goods, up 0.9 percent; materials and supplies were about unchanged. For nondurables, work in process and finished goods were up 0.8 percent and 1.4 percent respectively; materials and supplies were down 0.8 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for January is scheduled for February 23, 1989 at 8:30 a.m. and the full report on March 3, 1989 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

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Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: Monthly Dec. 1988P	Nov. 1988r	Oct. 1988	Percent change Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Not seasonally adjusted[1]: Monthly Dec. 1988P	Nov. 1988r	Oct. 1988	Dec. 1987	Percent change Dec. 88/87P	Year to date 1988P	1987
	All manufacturing industries	230,090	224,632	222,917	+2.4	+0.8	+0.7	225,382	222,837	229,541	202,861	+11.1	2,610,939	2,390,045
	Manufacturing industries with unfilled orders	127,761	124,776	123,472	+2.4	+1.1	-0.2	128,591	124,534	126,925	116,200	+10.7	1,448,105	1,315,924
	Durable goods industries	123,737	119,874	118,439	+3.2	+1.2	+0.3	122,039	118,636	122,606	108,990	+12.0	1,387,768	1,263,492
	With unfilled orders	100,820	98,135	97,164	+2.7	+1.0	-0.5	102,039	97,698	99,466	91,816	+11.1	1,137,215	1,028,314
32	Stone, clay, and glass products	5,565	5,588	5,442	-0.4	+2.7	+0.8	4,837	5,507	5,745	4,649	+4.0	64,066	62,142
33	Primary metals	12,891	12,709	12,369	+1.4	+2.7	+0.3	11,824	12,308	12,614	10,765	+9.8	142,224	117,092
331	Blast furnaces, steel mills	5,220	5,206	5,151	+0.3	+1.1	-1.2	4,855	4,945	5,187	4,661	+4.2	60,969	50,812
332	Iron and steel foundries	928	892	885	+4.0	+0.8	-7.0	786	903	960	688	+14.2	10,367	9,605
333-9	Nonferrous and other primary metals	6,743	6,611	6,333	+2.0	+4.4	+2.6	6,183	6,460	6,467	5,416	+14.2	70,888	56,675
34	Fabricated metal products	12,848	12,597	12,123	+2.0	+3.9	+0.6	11,740	12,234	12,736	10,390	+13.0	144,072	135,005
35	Machinery, except electrical	21,359	20,894	20,970	+2.2	-0.4	-1.2	23,337	20,124	20,841	20,846	+11.9	246,803	216,605
351	Engines and turbines	1,444	1,328	1,397	+8.7	-4.9	-1.5	1,821	1,311	1,306	1,525	+19.4	16,135	14,383
353	Construction, mining, and material handling equipment	2,534	2,450	2,517	+3.4	-2.7	-1.1	2,468	2,452	2,492	2,312	+6.7	29,974	25,824
354	Metalworking machinery	1,019	995	924	+2.4	+7.7	+0.3	1,120	1,038	1,010	959	+16.8	11,332	9,677
357	Office and computing machines	5,585	5,483	5,653	+1.9	-3.0	-2.1	7,802	5,482	5,102	7,259	+7.5	67,705	61,215
36	Electrical machinery	19,862	19,099	18,931	+4.0	+0.9	-2.2	20,667	19,640	19,222	18,987	+8.8	227,075	210,695
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,355	2,395	2,444	-1.7	-2.0	+3.2	2,376	2,386	2,456	2,190	+8.5	27,596	25,907
363	Household appliances	1,510	1,466	1,462	+3.0	+0.3	-6.9	1,339	1,378	1,521	1,301	+2.9	18,060	17,965
365	Radio and TV	980	1,073	1,025	-8.7	+4.7	-2.9	935	1,222	1,198	884	+5.8	11,654	11,521
366	Communication equipment	6,709	6,137	6,087	+9.3	+0.8	-2.5	7,924	6,274	5,862	7,258	+9.2	74,453	70,800
367	Electronic components	4,814	4,522	4,678	+6.5	-3.3	-1.6	4,554	4,528	4,637	4,103	+11.0	54,765	47,080
364,9	Other electrical machinery	3,494	3,506	3,235	-0.3	+8.4	-3.8	3,539	3,852	3,548	3,251	+8.9	40,547	37,422
37	Transportation equipment	32,519	30,960	30,924	+5.0	+0.1	+3.2	31,952	31,334	32,582	27,213	+17.4	351,886	323,026
371	Motor vehicles and parts	20,877	19,671	19,585	+6.1	+0.4	+4.7	17,993	20,049	21,348	14,055	+28.0	219,230	197,049
372,6	Aircraft, missiles, and parts	9,270	9,121	9,260	+1.6	-1.5	+2.0	11,563	9,301	9,122	11,117	+4.0	107,638	103,663
3731,95	Shipbuilding and military tank vehicles	1,126	870	837	+29.4	+3.9	-10.4	1,347	852	819	1,079	+24.8	10,579	10,002
38	Instruments and related products	6,218	5,960	6,057	+4.3	-1.6	-1.5	6,439	5,901	6,150	5,859	+9.9	72,372	66,805
381-4	Scientific and engineering instruments	4,193	4,001	4,096	+4.8	-2.3	-2.2	4,361	3,818	4,093	3,959	+10.2	48,864	44,680
386	Photographic goods	1,872	1,812	1,810	+3.3	+0.1	+0.4	1,943	1,936	1,886	1,719	+13.0	21,481	19,763
24,25, 39	All other durable goods	12,475	12,067	11,623	+3.4	+3.8	+0.5	11,243	11,588	12,716	10,281	+9.4	139,270	132,122
	Nondurable goods industries	106,353	104,758	104,478	+1.5	+0.3	+1.1	103,343	104,201	106,935	93,871	+10.1	1,223,171	1,126,553
	With unfilled orders	26,941	26,641	26,308	+1.1	+1.3	+0.7	26,552	26,836	27,459	24,384	+8.9	310,890	287,610
20	Food and kindred products	30,786	30,607	30,564	+0.6	+0.1	+0.7	30,618	30,582	31,339	27,526	+11.2	356,703	324,996
202	Dairy products	4,279	4,176	4,172	+2.5	+0.1	-0.6	4,146	4,142	4,107	3,845	+7.8	48,922	47,062
208	Beverages	4,039	4,146	3,904	-2.6	+6.2	-3.2	3,619	3,910	3,913	3,427	+5.6	47,759	44,920
203-6,9	All other foods	14,358	14,347	14,372	+0.1	-0.2	+2.0	14,717	14,601	14,838	12,678	+16.1	164,920	142,549
21	Tobacco products	1,986	2,109	1,911	-5.8	+10.4	-5.4	2,455	2,253	1,696	2,322	+5.7	22,240	19,935
22	Textile mill products	5,379	5,269	4,890	+2.1	+7.8	-3.1	5,097	5,221	5,243	4,426	+15.2	59,753	57,481
221-4,6, 8,9	Broadwoven fabrics	3,194	3,172	2,952	+0.7	+7.5	-2.6	3,226	3,081	3,069	2,866	+12.6	36,543	35,680
26	Paper and allied products	10,978	10,779	10,669	+1.8	+1.0	+1.1	10,564	10,373	10,727	9,474	+11.5	124,223	110,252
261-3,6	Pulp, paper etc	4,819	4,794	4,761	+0.5	+0.7	+1.1	4,774	4,647	4,725	4,225	+13.0	55,179	47,032
265	Paperboard containers	2,724	2,686	2,632	+1.4	+2.1	-0.1	2,495	2,562	2,704	2,235	+11.6	30,530	26,792
264	All other paper products	3,435	3,299	3,276	+4.1	+0.7	+2.2	3,295	3,164	3,298	3,014	+9.3	38,514	36,428
28	Chemicals and allied products	21,068	21,352	20,948	-1.3	+1.9	+4.0	20,349	20,104	20,269	18,053	+12.7	240,428	212,705
281,6	Industrial chemicals, except pigments	6,098	6,113	5,987	-0.2	+2.1	+3.7	5,958	5,936	5,850	5,052	+17.9	67,874	59,487
283,4	Drugs, soaps, and toiletries	6,229	6,434	6,302	-3.2	+2.1	+5.8	6,248	6,140	6,225	5,806	+7.6	73,061	67,125
282,9	Other chemical products	5,732	5,676	5,660	+1.0	+0.3	+4.4	5,520	5,517	5,654	4,871	+13.3	64,972	58,212
29	Petroleum and coal products	10,145	9,940	10,238	+2.1	-2.9	-0.2	10,287	10,120	10,430	10,241	+0.4	124,142	124,528
30	Rubber and plastics products	8,292	7,835	7,893	+5.8	-0.7	+0.5	7,472	7,724	8,335	6,334	+18.0	91,043	80,510
23,27, 31	All other nondurable goods	17,719	16,867	17,365	+5.1	-2.9	+1.2	16,501	17,824	18,896	15,495	+6.5	204,639	196,146
	Market categories:													
	Home goods and apparel	15,442	14,454	14,386	+6.8	+0.5	+0.4	12,940	14,898	15,954	11,545	+12.1	170,860	164,861
	Consumer staples	43,268	43,253	42,969	0.0	+0.7	+1.2	43,680	43,576	43,729	39,784	+9.8	501,301	461,025
	Equipment and defense products, except automotive	37,981	36,537	36,395	+4.0	+0.4	-1.7	43,159	35,706	35,875	39,207	+10.1	433,296	391,189
	Automotive equipment	23,400	22,243	22,076	+5.2	+0.8	+4.2	20,098	22,393	24,055	15,856	+26.8	248,003	223,069
	Construction materials, supplies and intermediate products	18,061	17,529	17,113	+3.0	+2.4	+0.4	16,013	16,797	18,288	14,814	+8.1	204,769	192,664
	Other materials, supplies, and intermediate products	91,938	90,616	89,978	+1.5	+0.7	+0.7	89,492	89,467	91,640	81,655	+9.6	1,052,710	957,237
	Supplementary series:[2]													
	Capital goods industries	42,437	41,172	41,026	+3.1	+0.4	-0.8	48,530	41,288	40,795	44,335	+9.5	486,607	445,633
	Nondefense	32,338	32,512	32,595	-0.5	-0.3	+0.2	36,457	32,257	32,320	33,412	+9.1	380,017	336,190
	Excluding aircraft and parts	28,733	28,091	27,934	+2.3	+0.6	-1.2	31,664	27,872	27,897	28,200	+12.3	331,208	294,860
	Defense	10,099	8,660	8,431	+16.6	+2.7	-4.5	12,073	9,031	8,475	10,923	+10.5	106,590	109,443
	Household durable goods industries	7,081	6,949	6,671	+1.9	+4.2	+0.5	6,300	7,050	7,323	5,634	+11.8	79,219	75,607

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]						
		Monthly			Percent change			Monthly				Percent change	Year to date	
		Dec. 1988P	Nov. 1988r	Oct. 1988	Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Dec. 1988P	Nov. 1988r	Oct. 1988	Dec. 1987	Dec. 88/87P	1988P	1987
	All manufacturing industries	237,595	228,153	227,095	+4.1	+0.5	+2.0	234,119	225,235	231,583	207,295	+12.9	2,657,934	2,423,597
	Manufacturing industries with unfilled orders	135,266	128,297	127,650	+5.4	+0.5	+2.1	137,328	126,932	128,967	120,634	+13.8	1,495,100	1,349,476
	Durable goods industries	130,966	123,035	122,791	+6.4	+0.2	+2.9	130,655	121,294	125,170	113,540	+15.1	1,434,030	1,293,236
	With unfilled orders	108,049	101,296	101,516	+6.7	-0.2	+2.6	110,655	100,356	102,030	96,366	+14.8	1,183,477	1,058,058
32	Stone, clay, and glass products	5,479	5,682	5,435	-3.6	+4.5	+1.3	4,631	5,618	5,588	4,498	+3.0	64,602	62,152
33	Primary metals	13,245	12,624	12,428	+4.9	+1.6	-0.5	13,095	12,059	12,370	12,170	+7.6	144,128	122,590
331	Blast furnaces, steel mills	5,282	4,950	4,730	+6.7	+4.7	-10.8	5,576	4,773	4,590	5,560	+0.3	60,273	53,724
332	Iron and steel foundries	917	854	903	+7.4	-5.4	-7.3	727	864	991	653	+11.3	10,567	9,737
333-9	Nonferrous and other primary metals	7,046	6,820	6,795	+3.3	+0.4	+9.2	6,792	6,422	6,789	5,957	+14.0	73,288	59,129
34	Fabricated metal products	12,884	12,411	12,026	+3.8	+3.2	+0.2	11,903	12,007	12,388	10,562	+12.7	142,602	136,494
35	Machinery, except electrical	21,140	21,443	21,181	-1.4	+1.2	-1.3	22,714	20,896	20,677	20,774	+9.3	253,798	221,041
351	Engines and turbines	667	1,320	1,399	-49.5	-5.6	-12.2	969	1,334	1,426	1,287	-24.7	15,416	14,589
353	Construction, mining, and material handling equipment	2,564	2,482	2,722	+3.3	-8.8	+4.1	2,682	2,581	2,683	2,774	-3.3	31,210	26,559
354	Metalworking machinery	1,199	1,269	1,025	-5.5	+23.8	+1.5	990	1,270	955	832	+19.0	13,142	9,548
357	Office and computing machines	5,525	5,441	5,514	+1.5	-1.3	+5.5	7,384	5,492	4,867	6,710	+10.0	67,291	60,740
36	Electrical machinery	20,195	20,110	18,977	+0.4	+6.0	+1.9	20,505	19,846	19,185	19,055	+7.6	227,440	212,442
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,296	2,349	2,609	-2.3	-10.0	+15.1	2,302	2,321	2,601	2,080	+10.7	28,050	26,147
366	Communication equipment	7,184	7,369	6,080	-2.5	+21.2	+8.9	8,013	7,091	6,088	7,267	+10.3	73,735	70,865
367	Electronic components	4,709	4,287	4,367	+9.8	-1.8	-9.5	4,489	4,115	4,154	4,213	+6.6	54,818	48,450
364,9	Other electrical machinery	3,477	3,552	3,414	-2.1	+4.0	+1.6	3,489	3,754	3,725	3,388	+3.0	41,132	37,788
37	Transportation equipment	38,776	32,401	34,898	+19.7	-7.2	+10.4	40,021	33,583	36,378	30,891	+29.6	388,832	337,585
372,6	Aircraft, missiles, and parts	13,465	10,763	12,005	+25.1	-10.3	+4.4	17,514	11,728	11,725	15,436	+13.5	136,560	116,403
3731,95	Shipbuilding and military tank vehicles	3,204	684	2,109	+368.4	-67.6	(N)	3,352	681	2,082	130	+2478.5	18,037	10,679
38	Instruments and related products	6,625	6,268	6,252	+5.7	+0.3	+2.4	6,856	6,127	6,250	5,993	+14.4	73,457	67,863
381-4	Scientific and engineering instruments	4,427	4,268	4,291	+3.7	-0.5	+4.6	4,633	4,070	4,270	4,130	+12.2	49,833	45,619
24,25, 39	All other durable goods	12,622	12,096	11,594	+4.3	+4.3	-0.4	10,930	11,158	12,334	9,597	+13.9	139,171	133,069
	Nondurable goods industries	106,629	105,118	104,304	+1.4	+0.8	+0.9	103,464	103,941	106,413	93,755	+10.4	1,223,904	1,130,361
	With unfilled orders	27,217	27,001	26,134	+0.8	+3.3	+0.1	26,673	26,576	26,937	24,268	+9.9	311,623	291,418
	Market categories:													
	Home goods and apparel	15,621	14,481	14,264	+7.9	+1.5	-1.6	12,481	14,237	15,221	10,780	+15.8	170,374	166,091
	Consumer staples	43,248	43,268	42,936	0.0	+0.8	+1.1	43,702	43,608	43,660	39,846	+9.7	501,477	460,952
	Equipment and defense products, except automotive	45,255	40,391	39,164	+12.0	+3.1	+7.8	51,790	40,284	38,167	42,873	+20.8	466,606	409,548
	Automotive equipment	23,500	22,311	22,063	+5.3	+1.1	+4.1	20,327	22,469	24,015	15,990	+27.1	247,655	223,543
	Construction materials, supplies and intermediate products	18,087	17,547	17,190	+3.1	+2.1	+1.1	15,974	16,783	18,098	14,904	+7.2	205,319	192,464
	Other materials, supplies, and intermediate products	91,884	90,155	91,478	+1.9	-1.4	+0.3	89,845	87,854	92,422	82,902	+8.4	1,066,503	970,999
	Supplementary series:[2]													
	Capital goods industries	48,735	44,216	45,318	+10.2	-2.4	+7.1	55,627	44,844	44,799	47,619	+16.8	528,817	466,264
	Nondefense	38,749	35,825	34,623	+8.2	+3.5	-0.7	42,279	35,563	34,036	36,308	+16.4	419,559	356,478
	Excluding aircraft and parts	28,118	28,574	28,752	-1.6	-0.6	+0.4	30,460	28,348	28,403	28,371	+7.4	339,884	301,062
	Defense	9,986	8,391	10,695	+19.0	-21.5	+43.2	13,348	9,281	10,763	11,311	+18.0	109,258	109,786
	Household durable goods industries	7,272	6,963	6,590	+4.4	+5.7	-2.9	6,031	6,586	6,789	5,054	+19.3	78,985	75,832

P Preliminary. r Revised. (N) When new orders for a prior month are negative because of cancellations or as a result of seasonal adjustment, the percentage change calculation is algebraically negative even though there is a net dollar increase from the prior month to the current month.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]				Percent change
		End of month			Percent change			End of month				
		Dec. 1988P	Nov. 1988r	Oct. 1988	Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Dec. 1988P	Nov. 1988r	Oct. 1988	Dec. 1987	Dec. 88/87P
	All manufacturing industries	468,307	460,802	457,281	+1.6	+0.8	+0.9	462,993	454,256	451,858	415,998	+11.3
	Durable goods industries	447,124	439,895	436,734	+1.6	+0.7	+1.0	442,825	434,209	431,551	396,563	+11.7
32	Stone, clay, and glass products	5,897	5,983	5,889	-1.4	+1.6	-0.1	5,613	5,819	5,708	5,077	+10.6
33	Primary metals	25,742	25,388	25,473	+1.4	-0.3	+0.2	25,082	23,811	24,060	23,178	+8.2
331	Blast furnaces, steel mills	10,816	10,754	11,010	+0.6	-2.3	-3.7	10,729	10,008	10,180	11,425	-6.1
332	Iron and steel foundries	2,195	2,206	2,244	-0.5	-1.7	+0.8	2,131	2,190	2,229	1,931	+10.4
333-9	Nonferrous and other primary metals	12,731	12,428	12,219	+2.4	+1.7	+3.9	12,222	11,613	11,651	9,822	+24.4
34	Fabricated metal products	28,390	28,354	28,540	+0.1	-0.7	-0.3	28,179	28,016	28,243	29,649	-5.0
35	Machinery, except electrical	59,677	59,896	59,347	-0.4	+0.9	+0.4	58,986	59,609	58,837	51,991	+13.5
351	Engines and turbines	4,475	5,252	5,260	-14.8	-0.2	0.0	4,603	5,455	5,432	5,322	-13.5
353	Construction, mining, and material handling equipment	8,142	8,112	8,080	+0.4	+0.4	+2.6	8,289	8,075	7,946	7,053	+17.5
354	Metalworking machinery	4,826	4,646	4,372	+3.9	+6.3	+2.4	4,546	4,676	4,444	2,736	+66.2
357	Office and computing machines	13,479	13,539	13,581	-0.4	-0.3	-1.0	13,102	13,520	13,510	13,516	-3.1
36	Electrical machinery	93,862	93,529	92,518	+0.4	+1.1	0.0	92,509	92,671	92,465	92,144	+.4
361,2	Electrical transmission and distribution equipment and industrial apparatus	6,891	6,950	6,996	-0.8	-0.7	+2.4	6,840	6,914	6,979	6,386	+7.1
366	Communication equipment	66,293	65,818	64,586	+0.7	+1.9	0.0	65,644	65,555	64,738	66,362	-1.1
367	Electronic components	14,872	14,977	15,212	-0.7	-1.5	-2.0	14,396	14,461	14,874	14,343	+.4
364,9	Other electrical machinery	4,766	4,783	4,737	-0.4	+1.0	+3.9	4,699	4,749	4,847	4,114	+14.2
37	Transportation equipment	211,348	205,091	203,650	+3.1	+0.7	+2.0	211,655	203,586	201,337	174,709	+21.1
372,6	Aircraft, missiles, and parts	173,958	169,763	168,121	+2.5	+1.0	+1.7	174,328	168,377	165,950	145,406	+19.9
3731,95	Shipbuilding and military tank vehicles	26,273	24,195	24,381	+8.6	-0.8	+5.5	26,237	24,232	24,403	18,779	+39.7
38	Instruments and related products	14,679	14,272	13,964	+2.9	+2.2	+1.4	14,583	14,166	13,940	13,498	+8.0
381-4	Scientific and engineering instruments	13,515	13,281	13,014	+1.8	+2.1	+1.5	13,529	13,257	13,005	12,560	+7.7
24,25, 39	All other durable goods	7,529	7,382	7,353	+2.0	+0.4	-0.4	6,218	6,531	6,961	6,317	-1.6
	Nondurable goods industries	21,183	20,907	20,547	+1.3	+1.8	-0.8	20,168	20,047	20,307	19,435	+3.8
	Market categories:											
	Home goods and apparel	8,379	8,200	8,173	+2.2	+0.3	-1.5	6,592	7,051	7,712	7,078	-6.9
	Consumer staples	843	863	848	-2.3	+1.8	-3.7	844	822	790	668	+26.3
	Equipment and defense products, except automotive	285,787	278,513	274,659	+2.6	+1.4	+1.0	285,502	276,871	272,293	252,192	+13.2
	Automotive equipment	8,882	8,782	8,714	+1.1	+0.8	-0.1	8,855	8,626	8,550	9,203	-3.8
	Construction materials, supplies and intermediate products	15,571	15,545	15,527	+0.2	+0.1	+0.5	15,145	15,184	15,198	14,595	+3.8
	Other materials, supplies, and intermediate products	148,845	148,899	149,360	0.0	-0.3	+1.0	146,055	145,702	147,315	132,262	+10.4
	Supplementary series:[2]											
	Capital goods industries	344,269	337,971	334,927	+1.9	+0.9	+1.3	343,192	336,095	332,539	300,982	+14.0
	Nondefense	179,295	172,884	169,571	+3.7	+2.0	+1.2	178,402	172,580	169,274	138,860	+28.5
	Excluding aircraft and parts	87,281	87,896	87,413	-0.7	+0.6	+0.9	86,388	87,592	87,116	77,712	+11.2
	Defense	164,974	165,087	165,356	-0.1	-0.2	+1.4	164,790	163,515	163,265	162,122	+1.6
	Household durable goods industries	6,089	5,898	5,884	+3.2	+0.2	-1.4	4,713	4,982	5,446	4,947	-4.7

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted[1]				Percent change
		End of month			Percent change			End of month				
		Dec. 1988P	Nov. 1988r	Oct. 1988	Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Dec. 1988P	Nov. 1988r	Oct. 1988	Dec. 1987	Dec. 88/87P
	All manufacturing industries	353,997	351,603	349,412	+0.7	+0.6	+0.5	348,341	350,223	348,699	325,695	+7.0
	Manufacturing industries with unfilled orders	246,088	243,919	241,922	+0.9	+0.8	+0.5	240,560	242,425	241,558	222,585	+8.1
	Durable goods industries	233,666	231,766	229,735	+0.8	+0.9	+0.7	229,069	230,625	229,283	212,265	+7.9
	With unfilled orders	215,578	213,556	211,676	+0.9	+0.9	+0.6	210,962	212,651	211,828	195,020	+8.2
32	Stone, clay, and glass products	7,496	7,464	7,551	+0.4	-1.2	+2.2	7,359	7,241	7,245	7,067	+4.1
33	Primary metals	20,181	19,980	19,825	+1.0	+0.8	+1.4	20,058	19,946	19,764	17,994	+11.5
331	Blast furnaces, steel mills	10,038	9,763	9,677	+2.8	+0.9	+1.3	10,048	9,896	9,810	8,535	+17.7
332	Iron and steel foundries	1,304	1,311	1,303	-0.5	+0.6	+1.6	1,277	1,258	1,250	1,272	+.4
333-9	Nonferrous and other primary metals	8,839	8,906	8,845	-0.8	+0.7	+1.5	8,733	8,792	8,704	8,187	+6.7
34	Fabricated metal products	23,535	23,478	23,430	+0.2	+0.2	-0.3	23,187	23,200	23,165	22,389	+3.6
35	Machinery, except electrical	46,728	46,172	45,992	+1.2	+0.4	+0.4	45,830	46,087	45,836	41,085	+11.5
351	Engines and turbines	2,978	3,094	3,055	-3.7	+1.3	+1.7	2,795	3,187	3,132	2,501	+11.8
353	Construction, mining, and material handling equipment	7,673	7,464	7,407	+2.8	+0.8	+2.0	7,635	7,434	7,379	6,521	+17.1
354	Metalworking machinery	3,028	2,944	3,098	+2.9	-5.0	-1.7	2,931	2,946	3,098	2,576	+13.8
357	Office and computing machines	12,177	12,009	11,931	+1.4	+0.7	+1.2	11,885	11,964	11,971	10,459	+13.6
36	Electrical machinery	40,686	40,746	40,010	-0.1	+1.8	+0.5	39,698	40,263	39,990	38,421	+3.3
361,2	Electrical transmission and distribution equipment and industrial apparatus	5,221	5,161	5,055	+1.2	+2.1	-0.6	5,084	5,073	5,014	4,844	+5.0
363	Household appliances	2,901	2,859	2,759	+1.5	+3.6	+0.9	2,753	2,684	2,617	2,728	+.9
365	Radio and TV	1,433	1,424	1,405	+0.6	+1.4	+1.8	1,323	1,379	1,393	1,311	+.9
366	Communication equipment	16,006	16,165	16,033	-1.0	+0.8	-0.1	15,683	16,211	16,209	16,131	-2.8
367	Electronic components	8,769	8,884	8,569	-1.3	+3.7	+1.2	8,690	8,772	8,577	7,705	+12.8
364,9	Other electrical machinery	6,356	6,253	6,189	+1.6	+1.0	+1.6	6,165	6,144	6,180	5,702	+8.1
37	Transportation equipment	63,250	62,305	61,578	+1.5	+1.2	+1.1	61,714	62,861	62,364	55,866	+10.5
371	Motor vehicles and parts	11,830	11,872	11,657	-0.4	+1.8	+0.8	11,838	12,060	11,710	11,399	+3.9
372,6	Aircraft, missiles, and parts	47,416	46,077	45,544	+2.9	+1.2	+1.0	45,909	46,362	46,242	40,771	+12.6
3731,95	Shipbuilding and military tank vehicles	1,966	2,274	2,257	-13.5	+0.8	+4.9	1,865	2,325	2,341	1,801	+3.6
38	Instruments and related products	14,095	13,798	13,578	+2.2	+1.6	+0.5	13,740	13,724	13,587	12,335	+11.4
381-4	Scientific and engineering instruments	10,288	10,006	9,900	+2.8	+1.1	+0.2	10,144	10,043	9,941	9,166	+10.7
386	Photographic goods	3,193	3,170	3,089	+0.7	+2.6	+1.8	3,011	3,088	3,074	2,553	+17.9
24,25, 39	All other durable goods	17,695	17,823	17,771	-0.7	+0.3	+0.1	17,483	17,303	17,332	17,108	+2.2
	Nondurable goods industries	120,331	119,837	119,677	+0.4	+0.1	+0.1	119,272	119,598	119,416	113,430	+5.2
	With unfilled orders	30,510	30,363	30,246	+0.5	+0.4	0.0	29,598	29,774	29,730	27,565	+7.4
20	Food and kindred products	26,371	26,003	25,791	+1.4	+0.8	+0.2	26,864	27,210	26,978	25,163	+6.8
202	Dairy products	2,440	2,342	2,291	+4.2	+2.2	+0.4	2,369	2,316	2,305	2,176	+8.9
208	Beverages	4,423	4,499	4,469	-1.7	+0.7	-0.7	4,423	4,445	4,400	4,544	-2.7
203-6,9	All other foods	14,882	14,678	14,641	+1.4	+0.3	0.0	15,358	15,630	15,829	14,734	+4.2
21	Tobacco products	5,597	5,710	5,810	-2.0	-1.7	+0.8	5,888	5,733	5,872	5,893	-.1
22	Textile mill products	7,606	7,648	7,620	-0.5	+0.4	+1.0	7,340	7,433	7,406	7,210	+1.8
221-4,6, 8,9	Broadwoven fabrics	4,385	4,425	4,414	-0.9	+0.2	+0.3	4,284	4,354	4,281	4,245	+.9
26	Paper and allied products	12,090	11,939	11,835	+1.3	+0.9	+0.5	11,966	11,765	11,543	11,094	+7.9
261-3,6	Pulp, paper etc	4,318	4,253	4,196	+1.5	+1.4	+0.3	4,327	4,183	4,082	3,905	+10.8
265	Paperboard containers	3,260	3,245	3,254	+0.5	-0.3	+0.4	3,211	3,142	3,150	2,898	+10.8
264	All other paper products	4,512	4,441	4,385	+1.6	+1.3	+0.8	4,428	4,440	4,311	4,291	+3.2
28	Chemicals and allied products	27,500	27,235	27,060	+1.0	+0.6	+0.7	27,304	27,044	26,726	24,843	+9.9
281,6	Industrial chemicals, except pigments	7,322	7,189	7,056	+1.9	+1.9	+1.0	7,234	7,100	6,995	6,559	+10.3
283,4	Drugs, soaps, and toiletries	9,511	9,547	9,539	-0.4	+0.1	-0.1	9,302	9,546	9,455	8,663	+7.4
282,9	Other chemical products	6,896	6,932	6,870	-0.5	+0.9	+1.9	6,896	6,755	6,660	6,088	+13.3
29	Petroleum and coal products	8,790	8,757	9,092	+0.4	-3.7	-2.6	8,791	9,108	9,268	9,903	-11.2
30	Rubber and plastics products	10,307	10,394	10,298	-0.8	+0.9	+2.1	10,119	10,068	9,941	8,957	+13.0
23,27, 31	All other nondurable goods	22,070	22,151	22,171	-0.4	-0.1	-1.2	21,000	21,237	21,682	20,367	+3.1
	Market categories:											
	Home goods and apparel	26,245	26,459	26,328	-0.8	+0.5	-0.6	25,163	25,156	25,472*	25,701	-2.1
	Consumer staples	44,850	44,485	44,367	+0.8	+0.3	+0.2	45,056	45,264	45,372	42,603	+5.8
	Equipment and defense products, except automotive	105,249	103,320	102,586	+1.9	+0.7	+0.7	103,023	103,506	103,144	93,978	+9.6
	Automotive equipment	14,692	14,717	14,533	-0.2	+1.3	+0.8	14,721	14,871	14,448	14,053	+4.8
	Construction materials, supplies and intermediate products	25,324	25,303	25,392	+0.1	-0.4	+0.8	24,976	24,694	24,671	23,912	+4.4
	Other materials, supplies, and intermediate products	137,637	137,319	136,206	+0.2	+0.8	+0.5	135,402	136,732	135,592	125,448	+7.9
	Supplementary series:[2]											
	Capital goods industries	121,164	119,518	118,529	+1.4	+0.8	+0.8	117,903	119,632	119,384	107,668	+9.5
	Nondefense	85,799	84,167	83,119	+1.9	+1.3	+0.4	83,723	84,346	83,553	75,201	+11.3
	Excluding aircraft and parts	64,401	63,770	63,401	+1.0	+0.6	+0.6	62,822	63,584	63,365	57,185	+9.9
	Defense	35,365	35,351	35,410	0.0	-0.2	+1.6	34,180	35,286	35,831	32,467	+5.3
	Household durable goods industries	12,715	12,712	12,600	0.0	+0.9	-0.1	12,230	12,193	12,307	12,376	-1.2

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted: End of month: Dec. 1988P	Nov. 1988r	Oct. 1988	Percent change: Nov.-Dec.P	Oct.-Nov.r	Sept.-Oct.	Not seasonally adjusted: End of month: Dec. 1988P	Nov. 1988r	Oct. 1988	Dec. 1987	Percent change: Dec. 88/87P
	MATERIALS AND SUPPLIES											
	All manufacturing industries	112,473	112,962	112,935	-0.4	0.0	+0.3	112,933	112,042	112,233	106,230	+6.3
	Durable goods industries	65,212	65,298	65,324	-0.1	0.0	+0.1	65,289	65,077	65,263	61,416	+6.3
32	Stone, clay, and glass products	2,450	2,444	2,424	+0.2	+0.8	+0.6	2,439	2,413	2,394	2,313	+5.4
33	Primary metals	6,216	6,109	6,085	+1.8	+0.4	-1.0	6,473	6,306	6,239	5,796	+11.7
34	Fabricated metal products	8,496	8,482	8,439	+0.2	+0.5	+0.1	8,523	8,402	8,292	8,213	+3.8
35	Machinery, except electrical	12,619	12,827	13,150	-1.6	-2.5	+0.7	12,589	12,770	13,148	11,906	+5.7
36	Electrical machinery	11,234	11,247	11,027	-0.1	+2.0	+2.1	11,053	10,992	10,908	10,182	+8.6
37	Transportation equipment	12,616	12,515	12,670	+0.8	-1.2	-2.3	12,640	12,527	12,693	12,229	+3.4
38	Instruments and related products	4,764	4,766	4,647	0.0	+2.6	+1.3	4,646	4,736	4,636	4,066	+14.3
24,25, 39	All other durable goods	6,817	6,908	6,882	-1.3	+0.4	+0.5	6,926	6,931	6,953	6,711	+3.2
	Nondurable goods industries	47,261	47,664	47,611	-0.8	+0.1	+0.5	47,644	46,965	46,970	44,814	+6.3
20	Food and kindred products	9,156	9,333	9,358	-1.9	-0.3	-0.7	9,450	9,591	9,482	9,171	+3.0
21	Tobacco products	4,336	4,434	4,533	-2.2	-2.2	+2.9	4,757	4,322	4,329	4,908	-3.1
22	Textile mill products	2,346	2,344	2,319	+0.1	+1.1	-0.6	2,292	2,214	2,196	2,189	+4.7
26	Paper and allied products	6,611	6,565	6,550	+0.7	+0.2	+0.6	6,608	6,468	6,414	5,957	+10.9
28	Chemicals and allied products	9,904	9,857	9,689	+0.5	+1.7	+1.2	9,794	9,681	9,628	8,635	+13.4
29	Petroleum and coal products	2,128	2,166	2,279	-1.8	-5.0	-2.4	2,167	2,183	2,264	2,495	-13.1
30	Rubber and plastics products	4,049	4,192	4,169	-3.4	+0.6	+2.0	4,134	4,078	4,072	3,551	+16.4
23,27, 31	All other nondurable goods	8,731	8,773	8,714	-0.5	+0.7	+0.2	8,442	8,428	8,585	7,908	+6.8
	WORK IN PROCESS											
	All manufacturing industries	127,554	125,955	124,411	+1.3	+1.2	+0.7	124,068	126,306	125,581	115,355	+7.6
	Durable goods industries	108,322	106,884	105,239	+1.3	+1.6	+0.8	105,342	107,063	106,267	97,122	+8.5
32	Stone, clay, and glass products	1,111	1,097	1,115	+1.3	-1.6	-0.5	1,074	1,042	1,074	1,027	+4.6
33	Primary metals	8,279	8,305	8,155	-0.3	+1.8	+2.4	8,094	8,173	8,097	7,168	+12.9
34	Fabricated metal products	8,468	8,369	8,395	+1.2	-0.3	+1.3	8,183	8,307	8,458	7,773	+5.3
35	Machinery, except electrical	18,318	18,247	17,760	+0.4	+2.7	-1.0	17,741	18,331	17,881	16,294	+8.9
36	Electrical machinery	19,625	19,685	19,461	-0.3	+1.2	-0.7	19,173	19,768	19,739	19,385	-1.1
37	Transportation equipment	43,439	42,348	41,654	+2.6	+1.7	+2.2	42,175	42,728	42,353	37,107	+13.7
38	Instruments and related products	5,440	5,226	5,167	+4.1	+1.1	-1.6	5,284	5,198	5,196	4,756	+11.1
24,25, 39	All other durable goods	3,642	3,607	3,532	+1.0	+2.1	+0.6	3,618	3,516	3,469	3,612	+.2
	Nondurable goods industries	19,232	19,071	19,172	+0.8	-0.5	+0.3	18,726	19,243	19,314	18,233	+2.7
20	Food and kindred products	2,732	2,744	2,853	-0.4	-3.8	+3.9	2,713	2,792	2,905	2,574	+5.4
21	Tobacco products	204	228	224	-10.5	+1.8	-10.4	232	322	359	176	+31.8
22	Textile mill products	2,327	2,317	2,322	+0.4	-0.2	+2.1	2,271	2,314	2,311	2,199	+3.3
26	Paper and allied products	1,319	1,275	1,268	+3.5	+0.6	-1.6	1,295	1,287	1,268	1,226	+5.6
28	Chemicals and allied products	4,401	4,278	4,239	+2.9	+0.9	+2.6	4,172	4,261	4,259	3,724	+12.0
29	Petroleum and coal products	2,354	2,325	2,370	+1.2	-1.9	-3.3	2,357	2,456	2,439	2,637	-10.6
30	Rubber and plastics products	1,414	1,420	1,400	-0.4	+1.4	+1.1	1,413	1,420	1,383	1,314	+7.5
23,27, 31	All other nondurable goods	4,481	4,484	4,496	-0.1	-0.3	-1.9	4,273	4,391	4,390	4,383	-2.5
	FINISHED GOODS											
	All manufacturing industries	113,970	112,686	112,066	+1.1	+0.6	+0.4	111,340	111,875	110,885	104,110	+6.9
	Durable goods industries	60,132	59,584	59,172	+0.9	+0.7	+1.1	58,438	58,485	57,753	53,727	+8.8
32	Stone, clay, and glass products	3,935	3,923	4,012	+0.3	-2.2	+4.0	3,846	3,786	3,777	3,727	+3.2
33	Primary metals	5,686	5,566	5,585	+2.2	-0.3	+2.8	5,491	5,467	5,428	5,030	+9.2
34	Fabricated metal products	6,571	6,627	6,596	-0.8	+0.5	-2.7	6,481	6,491	6,415	6,403	+1.2
35	Machinery, except electrical	15,791	15,098	15,082	+4.6	+0.1	+2.0	15,500	14,986	14,807	12,885	+20.3
36	Electrical machinery	9,827	9,814	9,522	+0.1	+3.1	+1.4	9,472	9,503	9,343	8,854	+7.0
37	Transportation equipment	7,195	7,442	7,254	-3.3	+2.6	+0.7	6,899	7,606	7,318	6,530	+5.7
38	Instruments and related products	3,891	3,806	3,764	+2.2	+1.1	+2.3	3,810	3,790	3,755	3,513	+8.5
24,25, 39	All other durable goods	7,236	7,308	7,357	-1.0	-0.7	-0.3	6,939	6,856	6,910	6,785	+2.3
	Nondurable goods industries	53,838	53,102	52,894	+1.4	+0.4	-0.4	52,902	53,390	53,132	50,383	+5.0
20	Food and kindred products	14,483	13,926	13,580	+4.0	+2.5	+0.1	14,701	14,827	14,591	13,418	+9.6
21	Tobacco products	1,057	1,048	1,053	+0.9	-0.5	-5.0	899	1,089	1,184	809	+11.1
22	Textile mill products	2,933	2,987	2,979	-1.8	+0.3	+1.4	2,777	2,905	2,899	2,822	-1.6
26	Paper and allied products	4,160	4,099	4,017	+1.5	+2.0	+1.0	4,063	4,010	3,861	3,911	+3.9
28	Chemicals and allied products	13,195	13,100	13,132	+0.7	-0.2	-0.3	13,338	13,102	12,839	12,484	+6.8
29	Petroleum and coal products	4,308	4,266	4,443	+1.0	-4.0	-2.4	4,267	4,469	4,565	4,771	-10.6
30	Rubber and plastics products	4,844	4,782	4,729	+1.3	+1.1	+2.5	4,572	4,570	4,486	4,092	+11.7
23,27, 31	All other nondurable goods	8,858	8,894	8,961	-0.4	-0.7	-2.2	8,285	8,418	8,707	8,076	+2.6

P Preliminary. r Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio[1]			
		Dec. 1988P	Nov. 1988r	Oct. 1988	Sept. 1988	Dec. 1988P	Nov. 1988r	Oct. 1988	Sept. 1988
	All manufacturing industries	1.54	1.57	1.57	1.57	3.67	3.69	3.70	3.66
	Durable goods industries	1.89	1.93	1.94	1.93	4.43	4.48	4.49	4.43
32	Stone, clay, and glass products	1.35	1.34	1.39	1.37	1.15	1.16	1.17	1.18
33	Primary metals	1.57	1.57	1.60	1.58	2.00	2.00	2.06	2.06
34	Fabricated metal products	1.83	1.86	1.93	1.95	2.42	2.46	2.59	2.62
35	Machinery, except electrical	2.19	2.21	2.19	2.16	2.96	3.03	2.98	2.94
36	Electrical machinery	2.05	2.13	2.11	2.06	4.73	4.90	4.89	4.78
37	Transportation equipment	1.95	2.01	1.99	2.03	11.56	11.66	11.41	11.26
38	Instruments and related products	2.27	2.32	2.24	2.20	2.36	2.39	2.31	2.24
	Nondurable goods industries	1.13	1.14	1.15	1.16	0.79	0.78	0.78	0.79
20	Food and kindred products	0.86	0.85	0.84	0.85	(X)	(X)	(X)	(X)
21	Tobacco products	2.82	2.71	3.04	2.85	(X)	(X)	(X)	(X)
22	Textile mill products	1.41	1.45	1.56	1.49	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products	1.10	1.11	1.11	1.12	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products	1.31	1.28	1.29	1.33	(X)	(X)	(X)	(X)
29	Petroleum and coal products	0.87	0.88	0.89	0.91	(X)	(X)	(X)	(X)
30	Rubber and plastics products	1.24	1.33	1.30	1.28	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Dec. 1987	All Decs. 1983-1987	Dec. 1987-Nov. 1988	Year ago Dec. 1987	All Decs. 1983-1987	Dec. 1987-Nov. 1988	Year ago Dec. 1987	All Decs. 1983-1987	Dec. 1987-Nov. 1988	Year ago Dec. 1987	All Decs. 1983-1987	Dec. 1987-Nov. 1988
	All manufacturing industries	0.2	0.5	0.2	0.5	0.5	0.3	0.2	0.2	0.1	0.2	0.2	0.1
	Durable goods industries	0.2	0.8	0.2	0.8	0.9	0.4	0.1	0.2	0.1	0.2	0.2	0.1
32	Stone, clay, and glass products	0.5	1.4	0.6	0.4	0.7	0.5	0.1	1.6	0.4	0.1	0.2	0.2
33	Primary metals	0.1	1.3	0.3	1.5	2.2	0.8	0.8	0.6	0.3	1.0	0.6	0.4
34	Fabricated metal products	0.8	0.8	0.5	0.0	0.5	0.8	0.5	0.4	0.3	0.3	0.8	0.1
35	Machinery, except electrical	0.4	1.3	0.5	0.3	1.4	1.1	0.3	0.3	0.4	0.6	0.3	0.2
36	Electrical machinery	2.1	2.9	0.5	2.4	2.1	0.7	0.1	0.4	0.1	1.2	0.7	0.2
37	Transportation equipment	0.0	0.5	0.2	0.4	2.0	0.4	0.1	0.3	0.1	0.1	0.2	0.1
38	Instruments and related products	0.4	1.2	0.7	0.8	1.3	1.2	0.2	0.4	0.4	0.4	0.4	0.2
	Nondurable goods industries	0.0	0.1	0.2	0.1	0.1	0.2	0.4	0.4	0.7	0.0	0.3	0.1
20	Food and kindred products	0.5	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
21	Tobacco products	0.0	0.6	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
22	Textile mill products	0.0	0.5	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.0	0.5
26	Paper and allied products	0.5	0.8	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.5	0.1
28	Chemicals and allied product	0.2	0.7	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
29	Petroleum and coal products	1.0	1.0	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.7	1.1	0.5
30	Rubber and plastics products	0.3	0.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.8	0.3
	Capital goods industries:												
	Nondefense	0.1	1.3	0.4	0.2	1.1	0.8	0.0	0.1	0.1	0.0	0.3	0.1
	Defense	1.4	1.3	0.7	4.5	5.9	1.3	0.2	0.3	0.0	1.0	0.6	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

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